

Claims

What is claimed is:

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1. A bone tendon bone graft useful in orthopedic surgery comprising one or more bone blocks and a tendon attached to said one or more bone blocks, wherein said one or more bone blocks is shaped into a dowel.

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2. The bone tendon bone graft of claim 1, wherein said bone tendon bone graft comprises one bone block, and wherein said tendon is derived from an Achilles tendon, patellar tendon, or quadriceps tendon of a donor.

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3. The bone tendon bone graft of claim 2, wherein said one bone block comprises a first end and a second end, wherein said first and second ends are tapered.

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4. The bone tendon bone graft of claim 2, wherein said one bone block comprises a groove sufficient to accommodate a fixation screw.

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5. The bone tendon bone graft of claim 2, wherein said one bone block comprises at least one graft manipulation hole.

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6. A method of obtaining a plurality of bone tendon bone grafts comprising:
a) excising a first bone plug from a bone, wherein said first bone plug has a tendon attached thereto; and
b) excising a second bone plug from said bone, wherein said first bone plug and said second bone plug are contiguous and overlap such that excision of said first bone plug or said second bone plug forms a groove in the bone plug that is excised subsequent to the other.

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7. The method of claim 6 wherein excision is accomplished by a core cutter.

1 8. The method of claim 6 wherein said bone is selected from the group of bones
2 consisting of patella, femur, calcaneus, and tibia.

1 9. A method of conducting orthopedic surgery on an animal or human
2 comprising:
3 obtaining a bone tendon bone graft, said graft comprising a tendon having
4 two ends and one or more bone blocks attached to said tendon,
5 wherein at least one of said one or more bone blocks is tapered.

1 10. The method of claim 9, wherein said bone tendon bone graft comprises one
2 bone block, and wherein said tendon is derived from an Achilles tendon, patellar
3 tendon, or quadriceps tendon of a donor.

1 11. The method of claim 10, wherein said one bone block comprises a first end
2 and a second end, wherein said first and second ends are tapered.

1 12. The method of claim 10, wherein said one bone block comprises at least one
2 graft manipulation hole.

1 13. The method of claim 10, wherein said one bone block comprises a groove
2 sufficient to accommodate an interference screw.

1 14. A bone tendon bone graft useful in orthopedic surgery comprising one or
2 more bone blocks and a tendon attached to said one or more bone blocks, wherein
3 at least one of said one or more bone blocks is tapered.

1 15. The bone tendon bone graft of claim 14 wherein said tendon has a first end
2 and a second end, and wherein said one or more bone blocks comprises a first
3 bone block attached to said first end and a second bone block attached to said
4 second end.

1 16. The bone tendon bone graft of claim 15 wherein said first bone block and
2 said second bone block have a first end contiguous with said tendon and a second
3 end opposite said first end, and wherein said first bone block is tapered toward
4 first end and said second bone block is tapered toward said second end.

Sub
1 17. The bone tendon bone graft of claim 16 wherein said first bone block and
2 said second bone block each have a groove sufficient to accommodate a fixation
3 screw.

1 18. A device useful for extracting bone tendon bone grafts comprising a shaft
2 portion and a cylinder portion having a first end and second end, wherein said
3 first end is contiguous with said shaft portion and said second end has teeth
4 disposed thereon, and wherein said cylinder comprises at least one slot.

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